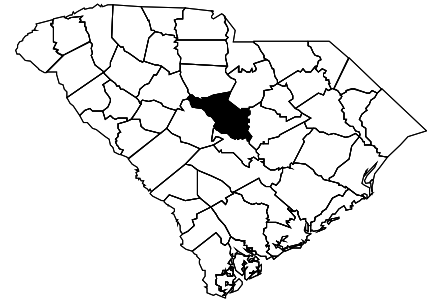


IMPACT OF CHRONIC CONDITIONS RICHLAND County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Richland county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (42%) of the population in Richland county are between the ages of 18-44, and there are more females (52%) than males (48%). However, Richland county has a higher minority population (50%) than the state (31%). When adults in DHEC's Region 3, which includes Richland County, were asked about their general health status, 85.5% reported having excellent, very good, or good health in 2005 (SC was 82%).

	RICHLAND COUNTY	STATE
Population size	340,078	4,255,083
Age distribution (%)		
<18	25	24
18-44	42	38
45-64	24	25
65-84	9	11
85+	1	2
Race (%)		
White	50	69
Black & Other	50	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Richland County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	19	22
Sedentary lifestyle	21	26
Overweight	60	65
High Cholesterol	38	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	24.9	.	.	.	.	31.7
Number of hospitalizations	349	278	69	149	200	5,032
Crude rate of hospitalizations (per 100,000)	103	164	40	91	114	118
Median age of hospitalized patients	57	52	67	52	62	57
Total cost of hospitalization (\$)	9,348,200	7,860,100	1,488,100	4,106,700	5,241,500	109,400,500
Average length of hospital stay (days)	6	7	5	6	6	5
Number of ED visits	565	445	120	248	317	7,466
Crude rate of ED visits (per 100,000)	166	262	70	151	181	175
Median age of ED patients	52	47	67	47	52	52
Total cost of ED visits (\$)	749,700	601,600	148,100	318,700	431,000	9,929,000
Number of deaths**	21	13	8	9	12	423
Age-Adjusted Death rate (per 100,000)**	8	14	5	9	7	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	4.1
Number of hospitalizations	4,245	1,852	2,393	2,237	2,008	60,901
Crude rate of hospitalizations (per 100,000)	1,248	1,092	1,404	1,360	1,144	1,431
Median age of hospitalized patients	67	62	72	62	72	67
Total cost of hospitalization (\$)	180,190,100	82,380,400	97,809,700	98,297,100	81,893,000	2,286,836,400
Average length of hospital stay (days)	6	7	5	6	6	5
Number of ED visits	816	445	371	423	393	12,989
Crude rate of ED visits (per 100,000)	240	262	218	257	224	305
Median age of ED patients	62	57	67	57	62	62
Total cost of ED visits (\$)	2,875,200	1,434,400	1,440,800	1,566,000	1,309,200	42,115,900
Number of deaths**	633	257	370	324	309	9,328
Age-Adjusted Death rate (per 100,000)**	224	256	202	284	181	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	919	431	488	409	510	13,925
Crude rate of hospitalizations (per 100,000)	270	254	286	249	290	327
Median age of hospitalized patients	67	62	77	67	72	72
Total cost of hospitalization (\$)	27,499,200	14,419,200	13,080,000	12,744,400	14,754,800	384,441,600
Average length of hospital stay (days)	7	9	6	8	7	6
Number of ED visits	139	60	79	66	73	2,515
Crude rate of ED visits (per 100,000)	41	35	46	40	42	59
Median age of ED patients	72	60	77	67	77	67
Total cost of ED visits (\$)	368,400	174,400	194,000	158,900	209,500	9,113,000
Number of deaths**	152	75	77	67	85	2,440
Age-Adjusted Death rate (per 100,000)**	55	73	42	62	50	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	846	490	356	336	510	15,753
Crude rate of hospitalizations (per 100,000)	249	289	209	204	290	370
Median age of hospitalized patients	52	42	67	45	57	62
Total cost of hospitalization (\$)	15,848,200	7,746,100	8,102,100	5,472,300	10,375,900	268,425,300
Average length of hospital stay (days)	5	4	6	4	5	5
Number of ED visits	2,300	1,789	509	1,023	1,277	36,543
Crude rate of ED visits (per 100,000)	676	1,055	299	622	727	859
Median age of ED patients	32	27	42	22	37	37
Total cost of ED visits (\$)	2,985,900	2,069,700	916,200	1,224,300	1,761,600	40,613,700
Number of deaths**	103	25	77	51	52	1,968
Age-Adjusted Death rate (per 100,000)**	38	29	43	49	31	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.8	.	.	.	.	10.3
Number of hospitalizations	624	478	145	301	323	9,027
Crude rate of hospitalizations (per 100,000)	183	282	85	183	184	212
Median age of hospitalized patients	52	52	57	52	52	52
Total cost of hospitalization (\$)	14,022,500	10,926,300	3,096,200	6,240,600	7,781,900	179,747,700
Average length of hospital stay (days)	7	7	6	6	7	6
Number of ED visits	796	657	138	399	397	9,603
Crude rate of ED visits (per 100,000)	234	387	81	243	226	226
Median age of ED patients	52	52	57	47	57	52
Total cost of ED visits (\$)	1,067,000	881,600	185,400	509,400	557,600	13,447,300
Number of deaths**	74	45	29	33	41	1,183
Age-Adjusted Death rate (per 100,000)**	26	48	16	29	24	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,298	617	681	601	697	16,389
Crude rate of hospitalizations (per 100,000)	382	364	400	365	397	385
Median age of hospitalized patients	62	57	67	62	62	62
Total cost of hospitalization (\$)	57,600,000	28,679,900	28,920,100	28,407,300	29,192,700	664,309,500
Average length of hospital stay (days)	9	11	8	10	8	8
Number of deaths**	578	232	339	289	289	8,617
Age-Adjusted Death rate (per 100,000)**	199	219	185	248	170	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	146	70	76	72	74	2,070
Crude rate of hospitalizations (per 100,000)	43	41	45	44	42	49
Median age of hospitalized patients	67	62	70	62	72	67
Total cost of hospitalization (\$)	7,573,400	3,836,000	3,737,400	4,261,100	3,312,300	101,377,700
Average length of hospital stay (days)	11	14	9	12	10	10
Number of deaths**	50	25	25	20	30	812
Age-Adjusted Death rate (per 100,000)**	17	21	14	15	17	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	104	38	66	-	104	1,228
Crude rate of hospitalizations (per 100,000)	59	43	75	-	63	56
Median age of hospitalized patients	57	52	62	-	57	62
Total cost of hospitalization (\$)	2,403,700	844,800	1,558,900	-	2,403,700	26,163,000
Average length of hospital stay (days)	2	3	2	-	2	3
Number of deaths**	61	26	35	-	61	651
Age-Adjusted Death rate (per 100,000)**	36	39	33	-	36	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	3	4	-	7	192
Crude rate of hospitalizations (per 100,000)	4	3	5	-	4	9
Median age of hospitalized patients	52	55	37	-	52	47
Total cost of hospitalization (\$)	436,300	128,200	308,100	-	436,300	4,668,500
Average length of hospital stay (days)	9	7	10	-	9	4
Number of deaths**	5	3	2	-	5	63
Age-Adjusted Death rate (per 100,000)**	3	4	2	-	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	151	67	84	77	74	2,181
Crude rate of hospitalizations (per 100,000)	44	39	49	47	42	51
Median age of hospitalized patients	67	62	72	67	67	67
Total cost of hospitalization (\$)	6,764,100	3,442,700	3,321,400	3,867,800	2,896,300	92,775,300
Average length of hospital stay (days)	11	12	9	12	9	9
Number of deaths**	163	55	106	88	75	2,703
Age-Adjusted Death rate (per 100,000)**	57	51	59	74	45	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	94	46	48	94	-	1,209
Crude rate of hospitalizations (per 100,000)	57	56	58	43	-	58
Median age of hospitalized patients	62	62	62	62	-	62
Total cost of hospitalization (\$)	2,782,000	1,570,800	1,211,200	2,782,000	-	30,356,600
Average length of hospital stay (days)	5	6	3	5	-	4
Number of deaths**	30	14	16	30	-	460
Age-Adjusted Death rate (per 100,000)**	32	53	24	32	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations for Blacks include Blacks and Others.

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